EXCEL
VAN OS

Technical Manual

Excel
Click & Go 'Compact'

'Smart mobility solutions'

Read instructions before use

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1. Introduction

You have just purchased a Van Os Medical UK Ltd powerpack and we want to thank you for the confidence in our EXCEL® products.

In this technical manual we would like to guide you step by step guide in assembling the Click & Go system on a (Excel ®) wheelchair. We have tried to make this technical manual as simple and user-friendly as possible. However if there is anything unclear please contact our technical department.

1.1 Preparation

To assemble the Click & Go you need the following Parts and tools:

Parts (delivered with the Click & Go)

- Control lever (Figure 1)
- Fixation plates (Figure 2)
- Push handle extensions(Figure 3)

Tools

- Allen wrench 4
- Allen wrench 5
- Wrench 10
- Phillips Screwdriver

Figure 1

Figure 2

Figure 3

2. Mounting the Click & Go

Before you start with mounting of the Click & Go on the wheelchair you need to check the following first:

- When you have a wheelchair without anti-tip wheels, we suggest you to order and mount these first. Our order number is 92000012.
- When you have a wheelchair with seat width 50 cm or more, you need to use an adaptation set 50 – 55 cm, in stead of the original guiding frame. Our order number is 08100330.
- When you have a wheelchair with a seat height different than 50 cm, you need to use the universal mounting set, our order number 08100302. When you order the universal mounting set you need to mention the diameter of the tube of the wheelchair (Excel wheelchair = 25 mm).

2.1 Mounting of the Click & Go

- First remove the crutch holder;
- Remove the bolt and the nut of the Anti-Tipper;
- Check that the drilled holes in the fixation plate match the holes in the (Excel®) wheelchair frame;
- If so, mount the mounting plate with the bolts on the side frame of the wheelchair, as shown in Figure 4. If not go first to Chapter 4.

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Pay attention:

Make sure the right plate is at the right side. Keep in mind the long and short pin. Make sure the long pin is at the backside, at the bottom of the plate.

Figure 4

- At the front side of the mounting plate you need to place rubber rings of circa 4 mm. This makes sure the mounting plate will be parallel to the frame tube, see figure 5.

Figure 5

- Make sure you use bolts with a sunk or flat head. You do not want the bolts to point out.
  - Front side M6x40
  - Back side M6x50

- Repeat this procedure on the other side;
- Place the crutch holder back on the wheelchair, in the way it is shown in figure 6;

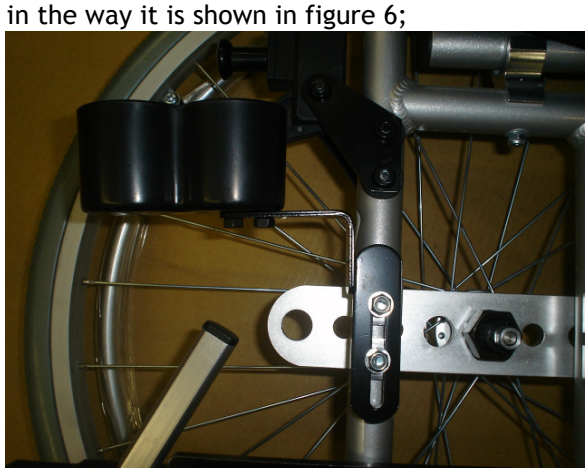

Figure 6

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- Place the Click & Go between the mounting plates;
  Slide out the guiding frame of the Click & Go until they touch the mounting plate. Make sure the Click & Go is in the middle, so the guiding frame must be equal at both sides, see figure 7.

Figure 7

- Secure the Click & Go with 4 bolts to the frame;

Pay attention:

The maximum width between the mounting plate and the guiding frame is 3 mm, see figure 8. The space between the Click & Go and the floor must be around 1,5 until 2 cm.

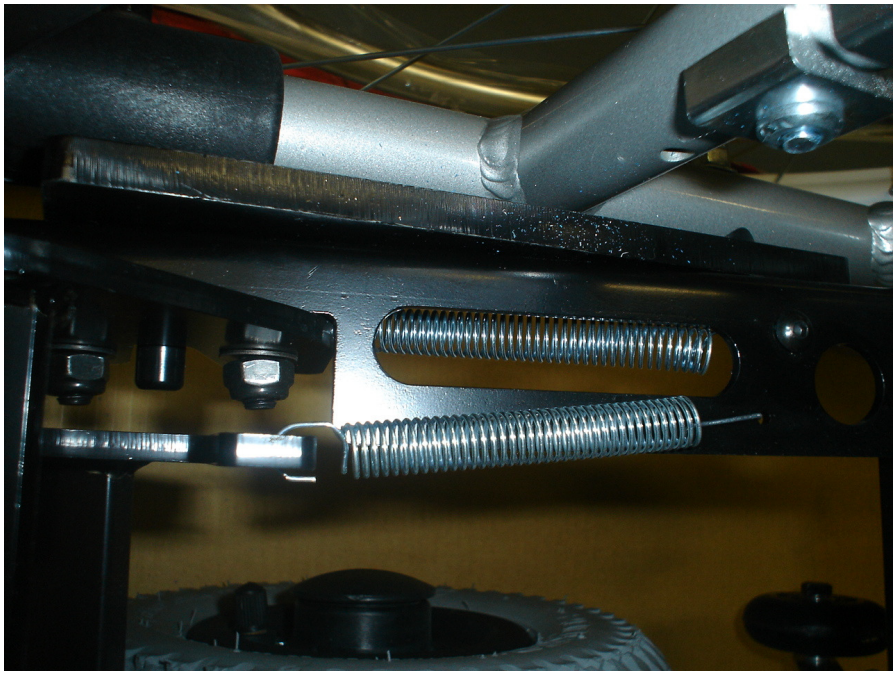

Figure 8

- Place the push handle extensions, see chapter 3 ‘Mounting push handle extensions’.

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3. Mounting of the push handles extensions

There is a possibility that the push handles of the wheelchair, on which you want to place the Click & Go, are too short to use in combination with the Click & Go system. When your attendant is pushing you he will hit the Click & Go with his feet. This can be very annoying.

To prevent this you use the supplied push handle extensions. The push handle extensions makes sure your attendant can push you with the Click & Go system without any problems.

Pay attention:

When you want a Click & Go with your Excel G4 wheelchair you need to drill out the push handle with a bore of 18 mm until a depth of 48 mm.

3.1 Mounting the push handles extensions

Remove the rubber from the push handles of your wheelchair (figure 9). Most push handles have on the inside a anti-slip layer, therefore you need to cut the rubber loose to remove them.

Take the supplied plastic plug. It with fit in the push handle tube exactly (figure 10).

Figure 9

Figure 10

Place the plug against the push handle extension, on the side with the smallest hole(side that is weld), see figure 11.

Place the supplied bolt in the push handle extension and tighten the plastic plug with your hands against the end of the push handle extension (figure 12).

Place the plastic plug in the push handle tube and turn the bolt firmly down (figure 13).

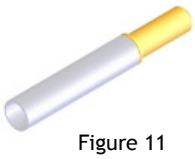

Figure 11

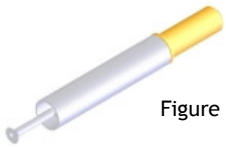

Figure 12

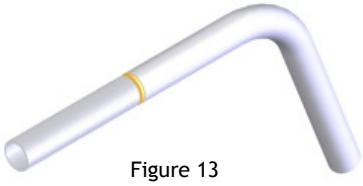

Figure 13

Check if the extension is securely tightened by making lateral movements with it.

After this you need to assembly the hand controller in the right and the easiest way for your attendant. Please pay attention to the push handle extension when you are placing the hand controller (figure 14). Use one of the supplied fillings for the hand controller.

Place the supplied extended push handle rubbers over the push handle extensions (figure 15). The best way to do this is to rub the inside of the rubbers with benzine, the rubbers will glide gently over the tubes. As soon as the benzine in the rubbers is dried up the rubbers are securely tightened.

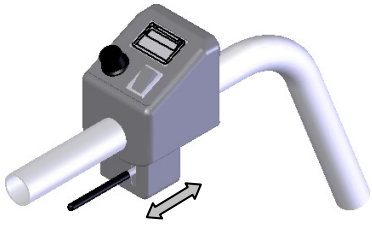

Figure 14

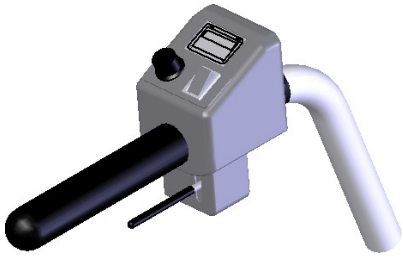

Figure 15

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4. Mounting universal mountingset

Content:

- 4x 16 holes plate, for mounting of the mounting plates
- 8x tube clamp, (tube diameter that is mention by you)
- 4x cover plate
- 8x tap ends M6
- 8x nut M6
- 8x self-locking bolt M6

Our ordernumber:

Tube diameter 19 mm : 93810922
Tube diameter 22 mm : 93810923
Tube diameter 25 mm : 93810924

4.2 Adjusting fixation plates

When you have a wheelchair with a different seat height or from a different brand, is it possible that the holes in the fixation plates don't match the frame holes. When the holes in the fixation plates don't match the frame holes you have to follow the following procedure to install the fixation plates.

Take the supplied mounting strips from the universal mounting system (figure 16). The mounting strips makes it possible to mount the Click & Go under wheelchairs outside of the Excel® range.

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Assemble on both sides of the side frame of the wheelchair two mounting strips (figure 17). The two mounting strips are meant to be universal adaptation plates to make sure the fixation plates of the Click & Go can be adjust to the right height and distance.

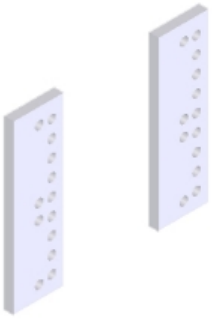
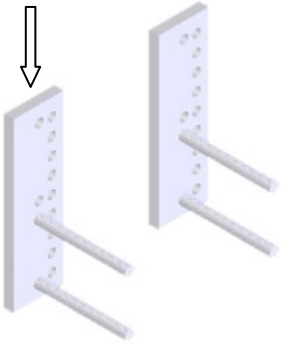


Figure 16

Figure 17

Turn the supplied tap ends in the holes that are point out until the back side of the tap ends are equal with the back site of the mounting strips (figure 18). Repeat this for the other strips. Make sure you use the same holes for the tap ends on all the strips. This is important for the rest of the mounting procedure.

Figure 18



On the heart line of the strips are 4 holes:

- 2 holes for the smaller clamp blocks
- 2 holes for the bigger clamp blocks

Place the contra nuts on the tap ends and tighten them down. Make sure the tap ends is equal with the back of the mounting strip (figure 19).

Place one side the clamp blocks over the tap ends (figure 20) and repeat this for the second strip.

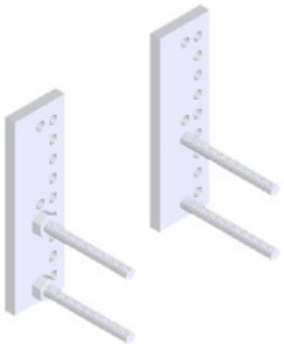


Figure 19

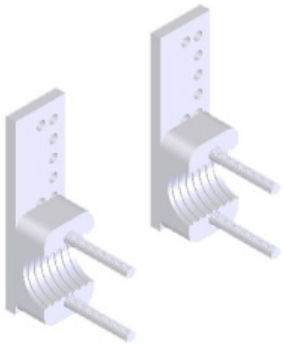


Figure 20

Hold the mounting strips including the clamp block against the side frame of the wheelchair (figure 21).

Place the second side of the clamp block over the tap ends (figure 22) and place the cover plates against the backside of the second side of the clamp block (figure 23).

Figure 21

Figure 22

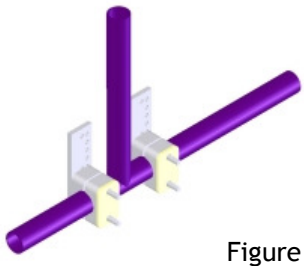


Figure 23

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Tighten the nuts with your hands on the tap ends (figure 24).

Hold the mounting model including the fixation plate against the mounting strips (figure 25).

Make sure that the holes of the mounting strips and the fixation plate are above each other (figure 25).

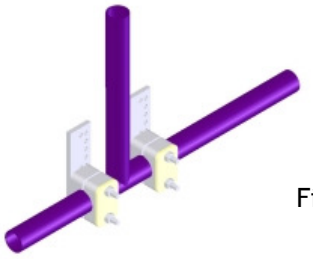

Figure 24

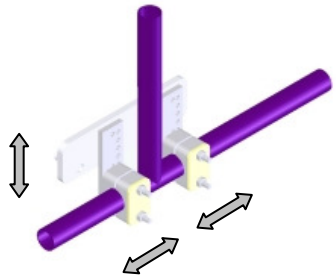

Figure 25

Mark these holes and tighten the fixation plate with a M6 x 8 mm bolt to the mounting strips.

Securely tighten all bolts and nuts when you are sure the fixation plate is in position.

Repeat this procedure for the other side of the wheelchair.

5. Fault codes Click & Go Compact

With S-Drive controller

All lights are blinking:

Flash Code	Fault	Solution
1x	Batteries are empty	Charge the batteries
2x	Bad motor contact	Check the connector of the motor and the motor brushes
3x	Short circuit motor	Check motor or replace controller
4x	Not in use	Charger in use
5x	Not in use	Check potentiometer (stand 0) and wiring
6x	Power failure	Check wiring and connectors, replace controller
7x	Potentiometer fault	Check motor brake and wiring
8x	Controller fault	Check batteries, wiring and connectors
9x	Park / motor brake	Charge the batteries
10x	Bad connection	Check the connector of the motor and the motor brushes

When the red light blinks:

Flash code	Solution
Slowly	Batteries needs to be charged.
Every 5 seconds	Sleep mode, switch the Click & Go on again.
Fast	Check wiring or program the Click & Go again.

PAY ATTENTION:

When the Click & Go does not function at all: Check the battery connection, the automatic fuse and the glass fuse.

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6. Tuning the hand controller

Loosen the hex screw on the back of the throttle. You can reach the hex screw through a hole on the back side of the hand controller, see figure 26.

Figure 26

Tighten the set screw of the gas potentiometer as far back as possible against the clock. You can reach the set screw trough the hole on the right side, see figure 27.

Figure 27

Securely tighten the hex screw and check the working of the Click & Go.

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